

PROCESS FOR THE CATALYTIC SELECTIVE OXIDATION OF
SULFUR COMPOUNDS

A B S T R A C T

A process for the catalytic selective oxidation of sulfur compounds in a hydrocarbonaceous feedstock to sulfur dioxide is provided. A gaseous feed mixture of the hydrocarbonaceous feedstock and a molecular-oxygen containing gas is contacted with a catalyst at a temperature of at most 500 °C, wherein the oxygen-to-carbon ratio of the feed mixture is below 0.15. The catalyst contains a group VIII noble metal on a catalyst carrier. The formed sulfur dioxide can be removed from the hydrocarbonaceous feedstock.